

WE CLAIM:

1. A method for manufacturing a floor covering comprising of fibers; said method comprising:
  - providing a carpet fiber;
  - applying an odor control solution to said carpet fiber;
  - said odor control solution including a bacteria spore blend and a bacteria spore blend binder wherein said solution has a pH within the range of 1 to 12.
2. The method of claim 1 wherein said odor control solution has a pH range of 5 to 8.
3. The method of claim 1 including curing said odor control solution.
4. The method of claim 4 wherein said odor control solution is cured within a dry heat zone.
5. The method of claim 1 wherein said bacteria spore blend is in a quantity of .9% to 1.29% product on carpet as a percentage of face yarn weight
6. The method of claim 1 wherein said bacteria spore blend binder is a fluorochemical.
7. The method of claim 6 wherein said fluorochemical component of said odor treatment solution is in the range of 1.25% to 4.0%. *fluorine* *no basis*
8. The method of claim 5 wherein said order treatment solution is applied in a wet add on amount between 5% to 25%.
9. The method of claim 8 wherein said wet add on amount is 15 %.
10. The method of claim 1 wherein said bacteria spore blend binder is a hydrocarbon.
11. The method of claim 1 wherein the fibers are dyed prior to the application of said odor control solution.
12. A method for treating fibers used for floor coverings, said method comprising:
  - providing a carpet fiber;

applying an odor control agent to said carpet fiber;  
applying an anti-soil treatment to said carpet fiber;  
wherein said applications of said odor control agent and anti-soil  
treatment are applied topically and simultaneously to said carpet fiber.

11/11/2017 10:11:11 AM